

3: Building Your Own Images

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Command Prompt

C:\Users\Divine Seroy>docker commit -a "John Watson" -m "Added ping utility." watson/ping a019e82b1da5
Error response from daemon: No such container: watson/ping

C:\Users\Divine Seroy>docker commit -a "John Watson" -m "Added ping utility." a019e82b1da5 watson/ping
sha256:286016e8bb6b0e51a36cb5d4c9490676af63d74af95a5ebf043b2b5a87f415b

C:\Users\Divine Seroy>docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
watson/ping          latest              286016e8bb6b       13 seconds ago     170MB
<none>               <none>              7717b9b77c0a       4 minutes ago      170MB
docker101tutorial   latest              810f78220c6e       28 hours ago       28MB
alpine/git           latest              b0f176fa3f0d       3 weeks ago        25.1MB
ubuntu               16.04              9ff95a467e45       3 weeks ago        135MB

C:\Users\Divine Seroy>docker rmi 771
Deleted: sha256:7717b9b77c0a4650be52b8917feae68befe21f03dba9f46bf386654db71ebaf1

C:\Users\Divine Seroy>docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
watson/ping          latest              286016e8bb6b       2 minutes ago      170MB
docker101tutorial   latest              810f78220c6e       28 hours ago       28MB
alpine/git           latest              b0f176fa3f0d       3 weeks ago        25.1MB
ubuntu               16.04              9ff95a467e45       3 weeks ago        135MB

C:\Users\Divine Seroy>
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```
1 FROM ubuntu:16.04
2 LABEL author="John Watson"
3
4 ENV PING_TARGET "google.com"
5
6 RUN apt-get update \
7     && apt-get install -y iputils-ping \
8     && apt-get clean \
9     && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
10    && truncate -s 0 /var/log/*log
11
12 CMD ["sh", "-c", "ping $PING_TARGET"]
```

```
Command Prompt - pwsh.exe

[~m mark] [-M pmtudisc_option] [-l preload] [-p pattern] [-Q tos]
[-s packetsize] [-S sndbuf] [-t ttl] [-T timestamp_option]
[-w deadline] [-W timeout] [hop1 ...] destination
PS C:\Users\Divine Seroy\docker> docker build -t 'watson/ping' .
[*] Building 44.2s (6/6) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 356B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/ubuntu:16.04                  0.0s
=> CACHED [1/2] FROM docker.io/library/ubuntu:16.04                             0.0s
=> [2/2] RUN apt-get update && apt-get install -y iputils-ping && a 44.1s
=> exporting to image                                                            0.0s
=> => exporting layers                                                            0.0s
=> => writing image sha256:fdc44d8270d2063079677599eef9b5f747f6f15074806fb2b 0.0s
=> => naming to docker.io/watson/ping                                           0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Divine Seroy\docker> docker run -it watson/ping
PING google.com (172.217.161.174) 56(84) bytes of data:
64 bytes from 172.217.161.174: icmp_seq=1 ttl=37 time=74.0 ms
64 bytes from 172.217.161.174: icmp_seq=2 ttl=37 time=54.2 ms
64 bytes from 172.217.161.174: icmp_seq=3 ttl=37 time=76.5 ms
64 bytes from 172.217.161.174: icmp_seq=5 ttl=37 time=75.6 ms
64 bytes from 172.217.161.174: icmp_seq=6 ttl=37 time=71.7 ms
64 bytes from 172.217.161.174: icmp_seq=7 ttl=37 time=69.3 ms
64 bytes from 172.217.161.174: icmp_seq=8 ttl=37 time=55.6 ms
64 bytes from 172.217.161.174: icmp_seq=9 ttl=37 time=74.5 ms
64 bytes from 172.217.161.174: icmp_seq=10 ttl=37 time=68.3 ms
64 bytes from 172.217.161.174: icmp_seq=11 ttl=37 time=65.7 ms
64 bytes from 172.217.161.174: icmp_seq=12 ttl=37 time=61.1 ms
```